

Rat Leucine aminopeptidase ELISA Kit | LAP elisa kit

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CATALOG #
AAA84264

REACTIVITY
Rat

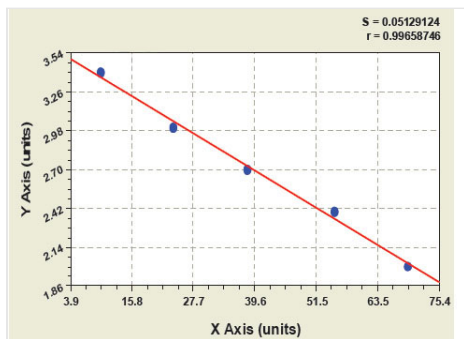
PRODUCT SYNONYMS

Leucine aminopeptidase; Rat Leucine aminopeptidase ELISA Kit; LAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This LAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LAP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAP elisa kit

Principle of the Assay: LAP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LAP antibody and an LAP-HRP conjugate. The assay sample and buffer are incubated together with LAP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LAP concentration since LAP from samples and LAP-HRP conjugate compete for the anti-LAP antibody binding site. Since the number of sites is limited, as more sites are occupied by LAP from the sample, fewer sites are left to bind LAP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LAP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4335941
NCBI GeneID	51056
Molecular Weight	52,771 Da
NCBI Official Full Name	leucine aminopeptidase
NCBI Official Synonym Full Names	leucine aminopeptidase 3
NCBI Official Symbol	LAP3
NCBI Official Synonym Symbols	LAP; PEPS; LAPEP; HEL-S-106
NCBI Protein Information	cytosol aminopeptidase; LAP-3; peptidase S; leucyl aminopeptidase; prolyl aminopeptidase; proline aminopeptidase; epididymis secretory protein Li 106
UniProt Protein Name	Cytosol aminopeptidase
UniProt Gene Name	LAP3
UniProt Synonym Gene Names	LAPEP; PEPS; LAP-3
UniProt Entry Name	AMPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lap-rat-elisa-kits/leucine-aminopeptidase/84264>